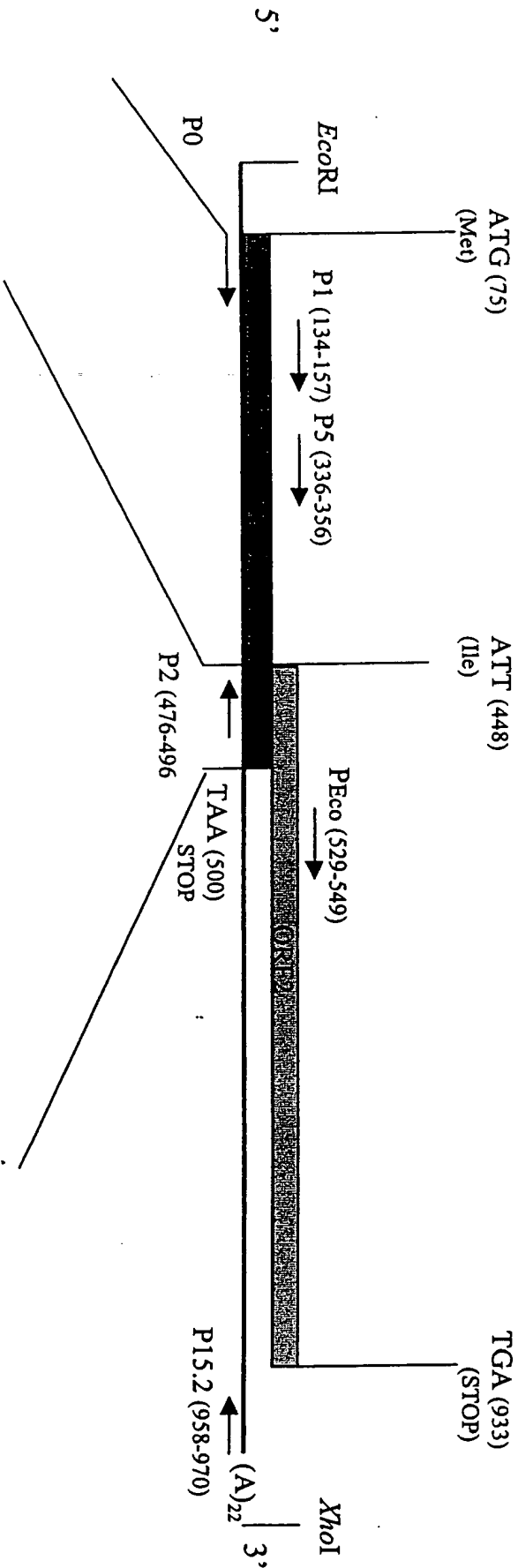


A



B

SEQ. ID NO. 11 ORF2 I F V T L D L L R A K E S I D S S K K A L R  
 5' GCAGATAATTTTCGTCACCTAGATCTCTTAAGAGGCCAAGAGTCAATAGACTCATCTAAGAGGCAACTACGTA 3'  
 ORF1 A E Y F R H L R S L K S Q G V N R L I stop



**Figure 1** (Replacement Sheet)  
 USSN: 10/087,573

SEQ. ID NO. 1

EcoRI

gaattcggcagcagccctgctatactgtgctttgcaactaactccatcgtaataatttaataataataaa 72

M E S T S T T T N F V A E N R P T 17  
gg ATG GAG TCG ACA TCA ACA ACG ACC AAC TTT GTT GCC GAG AAC CGT CCC ACC 125

F G E T F D V M R E A L L R V K S S 35  
TTT GGT GAG ACG TTT GAT GTG ATG AGG GAA GCT TTG CTT CGT GTA AAG TCC TCT 179

E R L A M L R A L A G M C G H R V L 53  
GAA CGC TTG GCA ATG CTC AGA GCG CTT GCA GGA ATG TGC GGT CAC CGC GTC CTT 233

P G T G A S A I A A T V T P K G A S 71  
CCT GGC ACT GGT GCT TCT GCG ATA GCG GCA ACG GTA ACC CCA AAG GGG GCT TCG 287

M K L K P P R P Q S T K S P E L R E 89  
ATG AAG CTT AAA CCA CCG CGT CCG CAG TCA ACG AAG TCT CCG GAG CTC AGG GAG 341

L S R K I R E M N K T I S Q E S A R 107  
CTG TCA CGG AAG ATT CGC GAA ATG AAT AAG ACT ATA AGT CAG GAA TCA GCT CGG 395

V N H R L P E G H P L L E K R A E Y 125  
GTA AAC CAC CGG TTG CCG GAA GGC CAC CCT CTC TTA GAG AAG CGG GCA GAA TAT 449

F R H L R S L K S Q G V N R L I \* 141  
TTT CGT CAC CTT AGA TCT CTT AAG AGC CAA GGA GTC AAT AGA CTC ATC TAA G 501  
aaggca<sup>c</sup>tacgtaggtaccgtgcctctatgaggaatacgaaccgactagtgcacaatagacgaccagttcta 573  
ccaaaggtagagcctgactctaattctaccattcggccagcgacggagtgcgatgacaacgtggaatcttaga 645  
ccacgcccggacgggttatccgtcaaatggtactttggcagttacggaactcctgatctcgatttatagatca 717  
aacttctacaccttgaaggtggtcgaggaagggagatgtacgtgctgcaacacccataaggagcaagctttg 789  
ctactcctatccggttacctccagctatatcgtgcactgcactcagttggaaggtctgtattcgtagaatac 861  
tgcaaaaccaggatattgcgtcgaggcacgcctcaccggactacgtccgaggggtgaccctaacgggctgctga 933  
actaggttcagccagcgcttctctgtgagtatgtcattccgggtccttcggggcccgggccagtttcgactgg 1005  
tgtaggtttgccctactagagtacttgcgacgccgaagcgccctccgttcaaaagaacgcgcaagccctagca 1077  
gagaaatgcgagggcatgactcttcgagtcacaaaaaaaaaaaaaaaaaaaaactcgag 1135

XhoI

Figure 2 (Replacement Sheet)

USSN: 10/087,573

EcoRI

	M	E	S	T	S	T	T	T	N	F	V	A	E	N	R	P	T	17
gg	ATG	GAG	TCG	ACA	TCA	ACA	ACG	ACC	AAC	TTT	GTT	GCC	GAG	AAC	CGT	CCC	ACC	125

F G E T F D V M R E A L L R V . K S S 35  
TTT GGT GAG ACG TTT GAT GTG ATG AGG GAA GCT TTG CTT CGT GTA AAG TCC TCT 179

E R L A M L R A L A G M C G H R V L 53  
GAA CGC TTG GCA ATG CTC AGA GCG CTT GCA GGA ATG TGC GGT CAC CGC GTC CTT 233

P G T G A S A I A A T V T P K G A S 71  
CCT GGC ACT GGT GCT TCT GCG ATA GCG GCA ACG GTA ACC CCA AAG GGG GCT TCG 287

M	K	L	K	P	P	R	P	Q	S	T	K	S	P	E	L	R	E	89
ATG	AAG	CTT	AAA	CCA	CCG	CGT	CCG	CAG	TC <del>A</del>	ACG	AAG	TCT	CCG	GAG	CTC	AGG	GAG	341

L S R K I R E M N K T I S Q E S A R 107  
CTG TCA CGG AAG ATT CGC GAA ATG AAT AAG ACT ATA AGT CAG GAA TCA GCT CGG 395

V N H R L P E G H P L L E K R A E Y 125  
GTA AAC CAC CGG TTG CCG GAA GGC CAC CCT CTC TTA GAG AAG CGG GCA GAA **TAT** 449

F V T L D L L R A K E S I D S S K K 143  
(T) TTC GTC ACC TTA GAT CTC TTA AGA GCC AAG GAG TCA ATA GAC TCA TCT AAG AAG 504

A L R R Y R A S M R N T N R L V H N 161  
GCA CTA CGT AGG TAC CGT GCC TCT ATG AGG AAT ACG AAC CGA CTA GTG CAC AAT 558

R	R	P	V	L	P	K	V	E	P	D	S	N	L	P	F	G	Q	179
AGA	CGA	CCA	GTT	CTA	CCA	AAG	GTA	GAG	CCT	GAC	TCT	AAT	CTA	CCA	TTC	GGC	CAG	612

R R S R M T T W N L R P R R T G Y P 197  
CGA CGG AGT CGC ATG ACA ACG TGG AAT CTT AGA CCA CGC CGG ACG GGT TAT CCG 666

S    N    G    T    L    A    V    T    E    L    L    I    S    I    Y    R    S    N    215  
TCA AAT GGT ACT TTG GCA GTT ACG GAA CTC CTG ATC TCG ATT TAT AGA TCA AAC 720

F Y T L K V V E E G R C T C C N T H 233  
TTC TAC ACC TTG AAG GTG GTC GAG GAA GGG AGA TGT ACG TGC TGC AAC ACC CAT 774

K E Q A L L L L S G Y L Q L Y R A L 251  
AAG GAG CAA GCT TTG CTA CTC CTA TCC GGT TAC CTC CAG CTA TAT CGT GCA CTG 828

H	S	V	G	R	S	V	F	V	E	Y	C	K	T	R	I	C	V	269
CAC	TCA	GTT	GGA	AGG	TCT	GTA	TTC	GTA	GAA	TAC	TGC	AAA	ACC	AGG	ATA	TGC	GTC	882

[illegible]

XhoI

USSN: 10/087,573